

Scope and Sequence for Equipping Your Students with the Necessary Technology Skills for a Successful Performance Task

Your students are going to create a performance task using technology at the Modification or Redefinition levels of the SAMR model. How can you help your students stay focused on the content and not on the technology while they are creating this project?

In the 5 skills charts below, make a list of all the skills related to the planning, creation, and presentation of that performance task that you expect your students to utilize. (You may add or delete rows to each chart as needed.) The goal is that you will help your students already have the majority of the technology skills necessary to create a successful product prior to the performance task production point of your unit.

Remember to think TPACK.

NOTE: The focus of this list is the technology components; however, elsewhere in your unit, you will also need to consider the human components (critical thinking, public speaking, cooperating with colleagues, rehearsing a dialogue before filming, etc.).

Your Name	Roger LeClair
What is the performance task for your unit?	Your team is applying to ExxonMobil for a contract to create an interactive website. This will be to support the planned release of an upcoming Discovery Channel documentary about processes in the Earth's interior. It will explain how radioactive decay creates heat that causes motion in the mantle, which in turn drives plate tectonics. Each team will then apply this knowledge to interpret a different region on the Earth's surface. The information must be scientifically accurate, yet must be understandable to its intended audience of the general public and school children. The website should excite interest in the topic. The visitors should have a variety of different media types to access, and links to others.
What technology will students use to create the performance task (if more than one, differentiate between what is an option and what will be	Students will be creating a website online. This requires use of their laptop or other computer system available to them. The lesson specifies they will be using Weebly, an online website creation tool that is free. They will need to set up an account on the site, and watch

required)	
Lesson # in which students will create the performance task	Students will create a website with several pages as a product of a WebQuest in Lesson 6. The website will contain much of the information learned in the preceding 5 lessons, and will demonstrate their mastery of the concepts.

1. Skills for **planning** the performance task (storyboard, outline, script, research of content, etc.)

Pre-requisite skill student will need to be able to successfully create the performance task	URL to, and description of, an online resource/reference that a student (or parent) can access to learn this skill independently (or refer to as a reminder)	How can you introduce this skill prior to the performance task either in an earlier lesson in this unit or in a prior unit? Briefly describe the learning activity.
Organizing; outline of pages	http://blog.sleeplessmedia.com/how-to-create-a-quick-and-easy-website-project-outline/	I can create a document on the class website that will list resources for students to use for various assignments and state that knowledge of these will help them in other classes.

2. Skills for **capturing** raw components that will be used in the performance task (recording video, capturing audio, searching for photos and graphics, understanding copyright and privacy, etc.)

Pre-requisite skill student will need to be able to successfully create the performance task	URL to, and description of, an online resource/reference that a student (or parent) can access to learn this skill independently (or refer to as a reminder)	How can you introduce this skill prior to the performance task either in an earlier lesson in this unit or in a prior unit? Briefly describe the learning activity.
Use search engines to find images	http://www.bing.com/images/ http://en.wikipedia.org/wiki/Image_retrieval http://searchenginewatch.com/article/2289302/How-to-Find-Free-Images-With-Google-Advanced-Image-Search	I can include this on the resources page on the class website. Students can use this information during earlier lessons to carry out searches and gain practice.
Respecting Copyright issues	http://www.wikihow.com/Avoid-Copyright-Infringement http://www.rcfp.org/first-amendment-handbook/how-avoid-copyright-infringement-legal-action-protect-copyright	This can be included on the page of resources I would put on the class website. Discuss this issue during previous lessons.

3. Skills for **editing/refining** the performance task (edit, transitions, manipulation, supplementing with music, inserting text, etc.),

Pre-requisite skill student will need to be able to successfully create the performance task	URL to, and description of, an online resource/reference that a student (or parent) can access to learn this skill independently (or refer to as a reminder)	How can you introduce this skill prior to the performance task either in an earlier lesson in this unit or in a prior unit? Briefly describe the learning activity.
Creating pages and features of a website	tutorials for Weebly available at http://help.weebly.com/beginners-guide.html http://kb.weebly.com/training-videos.html http://weeblyforums.com/category/tutorials/ http://help.weebly.com/ http://www.youtube.com/watch?v=aBdOgTj7x7o	At the beginning of the school year, I can have them refer to the resource sheet and build their own web page to post their work for this class. They can then turn in their projects by posting a link on the class website to a

		page on their own website where the assignment has been posted. This could also serve as the basis of a digital portfolio.

4. Skills for **converting/exporting** a project file of the performance task (rendering video, exporting MP3 file, making an html version, etc.)

Pre-requisite skill student will need to be able to successfully create the performance task	URL to, and description of, an online resource/reference that a student (or parent) can access to learn this skill independently (or refer to as a reminder)	How can you introduce this skill prior to the performance task either in an earlier lesson in this unit or in a prior unit? Briefly describe the learning activity.
Publish website	http://weeblyforums.com/ http://kb.weebly.com/faq-publish.html http://kb.weebly.com/faq-where.html	At the beginning of the school year, I can have them refer to the resource sheet and build their own web page to post their work for this class.

5. Skills for **making the performance task ready for the presentation** (uploading a video to youtube, setting a wiki's privacy to protected or public, sharing a Google Doc/Site/Survey/Presentation, using the presenter's tools in PowerPoint, etc.)

Pre-requisite skill student will need to be able to successfully create the performance task	URL to, and description of, an online resource/reference that a student (or parent) can access to learn this skill independently (or refer to as a reminder)	How can you introduce this skill prior to the performance task either in an earlier lesson in this unit or in a prior unit? Briefly describe the learning activity.
Publish website	http://kb.weebly.com/publish-next.html	Having students build their own student website at the beginning of the year.